

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

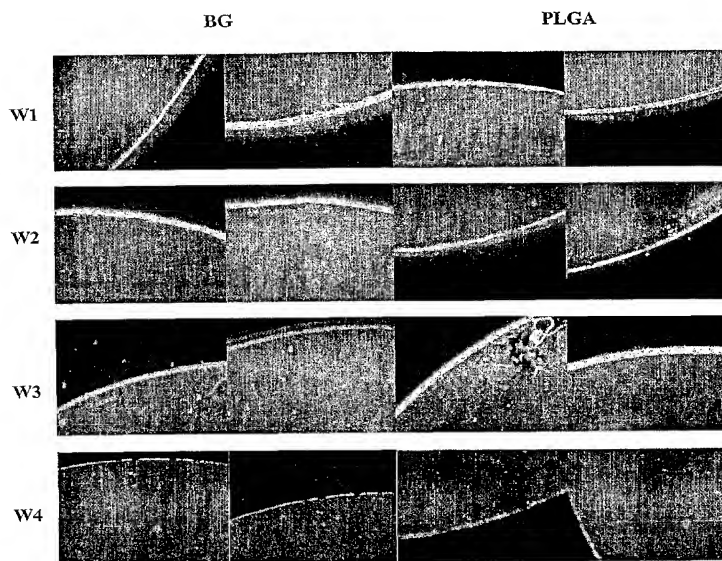
PCT

(10) International Publication Number
WO 2005/082399 A2

- (51) International Patent Classification⁷: **A61K 38/17**
- (21) International Application Number:
PCT/GB2005/000769
- (22) International Filing Date: 28 February 2005 (28.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0404374.1 27 February 2004 (27.02.2004) GB
- (71) Applicant (for all designated States except US): **THE UNIVERSITY OF MANCHESTER** [GB/GB]; Oxford Road, Manchester M13 9PL (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **DOBSON, Curtis** [GB/GB]; Faculty of Life Sciences, Moffat Building, University of Manchester, P.O. Box 88, Manchester M60 1QD (GB). **CRUTCHER, Keith, Alan** [US/US]; Dept. Neurosurgery (MSB 4313), 231 Albert Sabin Way, University of Cincinnati College of Medicine, Cincinnati, OH 45267-0515 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: TREATMENT OF BACTERIAL INFECTIONS



(57) Abstract: The invention relates to polypeptides, comprising repeats of peptides derived from apolipoproteins, which exhibit antibacterial activity and to nucleic acids encoding the same. The invention further provides the use of such polypeptides, derivatives, analogues or nucleic acids as medicaments, and also their use in methods of preventing or treating bacterial infection or objects and surfaces. The invention further extends to objects, such as contact lenses, coated with the polypeptides.



WO 2005/082399 A2



Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.